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1 **The architecture of the Obelix-an improved Internet search engine**
Knezevic, P.; Radnovic, B.; Nikolic, N.; Jovanovic, T.; Milanov, D.; Nikolic, M.; Milutinovic, V.; Casselman, S.; Schewel, J.;
System Sciences, 2000. Proceedings of the 33rd Annual Hawaii International Conference on , 4-7 Jan. 2000
Pages:11 pp.

[Abstract]   [PDF Full-Text (96 KB)]   **IEEE CNF**

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2 **Personal Web Space**
Yangjun Chen; Liu, T.; Sorenson, P.;
Distributed Computing Systems Workshops, 2002. Proceedings. 22nd International Conference on , 2-5 July 2002
Pages:169 - 175

[Abstract]   [PDF Full-Text (511 KB)]   **IEEE CNF**

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3 **Handoff of application sessions across time and space**
Phan, T.; Xu, K.; Guy, R.; Bagrodia, R.;
Communications, 2001. ICC 2001. IEEE International Conference on , Volume: 5 , 11-14 June 2001
Pages:1367 - 1372 vol.5

[Abstract]   [PDF Full-Text (856 KB)]   **IEEE CNF**

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S98	10	("5813007" | "5974427" | "6032162" | "6037934" | "6041360" | "6049812" | "6105028" | "6112228" | "6212522" | "6240455").PN.	USPAT	OR	ON	2004/03/26 13:50
S99	23	((("bookmark server" or (remote with bookmark)) and (url or "uniform resource locators")) and (updat$3 with bookmark)) not (((("bookmark server" or (remote with bookmark)) and (url or "uniform resource locators")) and (updat$3 with bookmark)) and wireless)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/26 14:18
S10 0	56	(("bookmark server" or (remote with bookmark)) and (url or "uniform resource locators")) not ((("bookmark server" or (remote with bookmark)) and (url or "uniform resource locators")) and (updat$3 with bookmark))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/26 15:20
S10 1	23	("4617657" | "5199104" | "5278673" | "5425077" | "5481539" | "5692032" | "5737560" | "5751708" | "5761280" | "5797098" | "5802516" | "5809415" | "5895471" | "5930472" | "6049831" | "6138151" | "6138158" | "6173316" | "6182113" | "6208839" | "6243739" | "6272129" | "6321257").PN.	USPAT	OR	ON	2004/03/26 14:42
S10 2	5	("bookmark server" or (remote with bookmark))and @pd<"19970711"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/26 15:25
S10 3	13	("bookmark server" or (remote with bookmark))and @pd<"19990711"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/26 15:25
S10 4	8	(("bookmark server" or (remote with bookmark))and @pd<"19990711") not (("bookmark server" or (remote with bookmark))and @pd<"19970711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/26 15:25
S10 5	2	("6493702").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/15 16:40

S10 6	42	("4839853" | "5113340" | "5265065" | "5301109" | "5317507" | "5442778" | "5446891" | "5526443" | "5592375" | "5630125" | "5638543" | "5659766" | "5687364" | "5748954" | "5749081" | "5796393" | "5802515" | "5802516" | "5813007" | "5835905" | "5847708" | "5875446" | "5907845" | "5909207" | "5918010" | "5918014" | "5924105" | "6005568" | "6029172" | "6029175" | "6032162" | "6037934" | "6041311" | "6049812" | "6052714" | "6055508" | "6085226" | "6092049" | "6098065" | "6100890" | "6138128" | "6185598"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/15 16:41
S10 7	42	("4839853" | "5113340" | "5265065" | "5301109" | "5317507" | "5442778" | "5446891" | "5526443" | "5592375" | "5630125" | "5638543" | "5659766" | "5687364" | "5748954" | "5749081" | "5796393" | "5802515" | "5802516" | "5813007" | "5835905" | "5847708" | "5875446" | "5907845" | "5909207" | "5918010" | "5918014" | "5924105" | "6005568" | "6029172" | "6029175" | "6032162" | "6037934" | "6041311" | "6049812" | "6052714" | "6055508" | "6085226" | "6092049" | "6098065" | "6100890" | "6138128" | "6185598"). PN.	US-PGPUB; USPAT; USOCR; IBM_TDB	OR	ON	2005/03/15 16:41
S10 8	1	S107 and bookmark and @pd<"19970711"	US-PGPUB; USPAT; USOCR; IBM_TDB	OR	ON	2005/03/15 16:47
S10 9	3	S107 and (bookmark with server)	US-PGPUB; USPAT; USOCR; IBM_TDB	OR	ON	2005/03/15 16:47
S11 0	9	("5598536" | "5617565" | "5636216" | "5701451" | "5710883" | "5796393" | "5848410" | "5867667" | "5895471"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/15 17:23
S11 1	6	("5761436" | "5764916" | "5796952" | "5812769" | "5813007" | "5819039"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/15 17:13
S11 2	0	updat$3 with "bookmark server"	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/15 17:23
S11 3	25	updat$3 with (bookmark$1 with server)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/15 17:24

S11 4	3601	search$3 with (urls or "frequently used hyperlinks")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 17:55
S11 5	808	S114 and (remote with server)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 19:10
S11 6	318	S115 and ((bookmark$1 with set) or (identifier$1 with set) or (url$1 with set))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 19:11
S11 7	142	S116 and wireless	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 19:11
S11 8	142	S117 and ((request$3 or search$3) with (bookmark$1 or url$1 or "frequently used hyperlinks"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 19:13
S11 9	105	S118 and ((bookmark$1 with (server or online or remote)) or (url$1 with server) or (hyperlinks with server))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 19:21
S12 0	5	S119 and @ad<"19970711"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 19:22
S12 1	3	S119 and (bookmark.ab.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 19:22
S12 2	1	S119 and (bookmark.ti.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 19:22

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	7	((("bookmark server" or (remote with bookmark)) and (url or "uniform resource locators")) and (updat$3 with bookmark)) and wireless	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 09:53
S2	30	(("bookmark server" or (remote with bookmark)) and (url or "uniform resource locators")) and (updat$3 with bookmark)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 09:55
S3	84	(((("remote server" or server or "isp" or "service provider") with (favorite$1 or bookmarks or "personal page")) and (edit or delete or manag$3 or add or rename or update)) and (url with resource$1)) and (wireless with network)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 09:55
S4	4	("hypermedia server" or "hyperlinks server") and "directory server"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 09:55
S5	77	((((((wireless with network) and resource) and (url or "uniform resource locator")) and ((search$3 or navigat$3) with (director$3 or list$1) same (identifiers or url$1))) and updat$3) and ((delet$3 or add$5) with (identifier or url))) and (match$3 with (url or identifier))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 10:48
S6	6	"url directory" and (directory with "remote server")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 09:58
S7	4	("hypermedia server" or "hyperlinks server") and "directory server"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 09:58
S8	13	"directory server" and "url directory"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 09:59
S9	18	((((("wireless network" and portable) and (manag$5 with director$3)) and (hyperlink or url)) and server) and director$3) and (url with directory)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 09:59

S10	10	("wireless network" and portable) and (directory with "remote servers")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 10:00
S11	2	("5895471").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 10:04
S12	3899	wireless with telephony	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 11:00
S13	0	S12 and S1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 10:49
S14	5	S12 and (bookmark with server)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 10:50
S15	6	S12 and ((bookmark with server) or (remote with bookmark))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 13:49
S16	52826	wireless with (telephone or phone or mobil)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 11:00
S17	175	S16 and ((bookmark with server) or (remote with bookmark))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 11:02
S18	0	S16 and ((bookmark with server) or (remote with bookmark)) and @pd<"19970711"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 16:40
S19	16	"cellular phone" with bookmark	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 13:49

S20	8	("4940963" | "5426594" | "5517605" | "5574771" | "5604788" | "5675507" | "5710918" | "5809415").PN.	USPAT	OR	ON	2004/09/30 13:54
S21	23	("4617657" | "5199104" | "5278673" | "5425077" | "5481539" | "5692032" | "5737560" | "5751708" | "5761280" | "5797098" | "5802516" | "5809415" | "5895471" | "5930472" | "6049831" | "6138151" | "6138158" | "6173316" | "6182113" | "6208839" | "6243739" | "6272129" | "6321257").PN.	USPAT	OR	ON	2004/09/30 14:11
S22	25	"hypermedia server"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 17:52
S23	41	"hyperlinks server"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/12 15:40
S24	1684	"directory server"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/12 15:41
S25	2	("hypermedia server" or "hyperlinks server") and "directory server"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 09:58
S26	9	"directory server" and "url directory"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 09:59
S27	12	"url directory" and (updat$3 with directory)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/12 15:51
S28	47	"url directory" and ((add$5 with url) or (delet$3 with url))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/12 15:52
S29	66	"hypermedia server" or "hyperlinks server"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/14 20:43

S30	17	("hypermedia server" or "hyperlinks server") and directory	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/14 21:05
S31	123	directory with hyperlinks	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/14 21:05
S32	26	(directory with hyperlinks) and (manag$5 with directory)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/14 21:11
S33	6508	manag$5 with directory	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/29 20:55
S34	32	(manag$5 with directory) and "url directory"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/14 21:12
S35	595	(manag$5 with directory) and (directory with identifier)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/14 21:12
S36	322	((manag$5 with directory) and (directory with identifier)) and resource	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/14 21:13
S37	146	(((manag$5 with directory) and (directory with identifier)) and resource) and (updat$3 with directory)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/14 21:13
S38	34	((((manag$5 with directory) and (directory with identifier)) and resource) and (updat$3 with directory)) and url	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/14 21:46
S39	32	((manag$5 with directory) and "url directory") not (((((manag$5 with directory) and (directory with identifier)) and resource) and (updat$3 with directory)) and url)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/14 21:57

S40	112	(((((manag$5 with directory) and (directory with identifier)) and resource) and (updat$3 with directory)) not (((((manag$5 with directory) and (directory with identifier)) and resource) and (updat$3 with directory)) and url)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/14 21:58
S41	85	"url directory"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/22 09:58
S42	2	("6216414").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/15 12:44
S43	2	("6216141").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/15 12:44
S44	2	("5991760").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 17:03
S45	1	(("5991760").PN.) and directory	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/26 17:04
S46	1	((("5991760").PN.) and directory) and url	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/26 17:04
S47	1	(((("5991760").PN.) and directory) and url) and hyperlink	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/30 16:12
S48	2	("5950205").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 17:22

S49	1	((("5950205").PN.) and directory and url	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/29 17:28
S50	2	("5761436").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 17:27
S51	1	((("5761436").PN.) and directory and url	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/29 11:45
S52	2	("5812769").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/29 17:11
S53	2	((("5812769").PN.) and directory and url	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/29 17:11
S54	0	(((("5812769").PN.) and directory and url) and (delet$3 or remov$3) and add	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/29 17:12
S55	1	(((("5812769").PN.) and directory and url) and (delet$3 or remov$3 or add)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/29 17:12
S56	1	((("6029182").PN.) and directory and url and add and delete	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/29 17:29
S57	87	"url directory"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/29 20:11
S58	5	"url directory" and (directory with "remote server")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 09:58

S59	101	directory with "remote server"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/29 20:23
S60	16	(directory with "remote server") and (url with director$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/29 20:23
S61	16	((directory with "remote server") and (url with director$3)) and directory and url	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/29 20:51
S62	13	(((directory with "remote server") and (url with director$3)) and directory and url) and (add or delet$3 or remov$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/29 20:24
S63	3	(((directory with "remote server") and (url with director$3)) and directory and url) not ((((directory with "remote server") and (url with director$3)) and directory and url) and (add or delet$3 or remov$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/29 20:52
S64	6589	manag$5 with directory	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/29 20:56
S65	306	(manag$5 with directory) and ("remote server")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/29 20:57
S66	62	((manag$5 with directory) and ("remote server")) and ((hyperlink with director$3) or (url with director$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/29 20:58
S67	4544	"wireless network" and portable	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/29 22:27
S68	8	("wireless network" and portable) and (directory with "remote servers")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 10:00

S69	233	("wireless network" and portable) and (manag$5 with director$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/29 22:28
S70	152	(("wireless network" and portable) and (manag$5 with director$3)) and (hyperlink or url)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/29 22:28
S71	149	((("wireless network" and portable) and (manag$5 with director$3)) and (hyperlink or url)) and server	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/29 22:28
S72	149	(((("wireless network" and portable) and (manag$5 with director$3)) and (hyperlink or url)) and server) and director$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/29 22:44
S73	13	((((("wireless network" and portable) and (manag$5 with director$3)) and (hyperlink or url)) and server) and director$3) and (url with directory)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 09:59
S74	136	((((("wireless network" and portable) and (manag$5 with director$3)) and (hyperlink or url)) and server) and director$3) not ((((((("wireless network" and portable) and (manag$5 with director$3)) and (hyperlink or url)) and server) and director$3) and (url with directory))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/29 22:45
S75	2	("5897638").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/30 16:15
S76	1	(("5897638").PN.) and (directory and url and request)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/09/30 16:16
S77	123	"url directory"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/22 09:58

S78	78	"url directory" and search$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/22 09:58
S79	10	("url directory" and search$3) and (wireless with network)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/22 10:12
S80	54806	wireless with network	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/22 10:12
S81	18127	(wireless with network) and resource	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/22 10:12
S82	4701	((wireless with network) and resource) and (url or "uniform resource locator")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/22 10:27
S83	233	(((wireless with network) and resource) and (url or "uniform resource locator")) and ((search$3 or navigat$3) with (director$3 or list$1) same (identifiers or url$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/22 10:55
S84	190	((((wireless with network) and resource) and (url or "uniform resource locator")) and ((search$3 or navigat$3) with (director$3 or list$1) same (identifiers or url$1))) and updat$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/22 10:55
S85	158	(((((wireless with network) and resource) and (url or "uniform resource locator")) and ((search$3 or navigat$3) with (director$3 or list$1) same (identifiers or url$1))) and updat$3) and ((delet$3 or add$5) with (identifier or url))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/22 10:56
S86	61	((((((wireless with network) and resource) and (url or "uniform resource locator")) and ((search$3 or navigat$3) with (director$3 or list$1) same (identifiers or url$1))) and updat$3) and ((delet$3 or add$5) with (identifier or url))) and (match$3 with (url or identifier))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 09:56

S87	845	("remote server" or server or "isp" or "service provider") with (favorite$1 or bookmarks or "personal page")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/26 11:59
S88	634	(("remote server" or server or "isp" or "service provider") with (favorite$1 or bookmarks or "personal page")) and (edit or delete or manag$3 or add or rename or update)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/26 12:00
S89	215	((("remote server" or server or "isp" or "service provider") with (favorite$1 or bookmarks or "personal page")) and (edit or delete or manag$3 or add or rename or update)) and (url with resource$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/26 12:00
S90	68	(((("remote server" or server or "isp" or "service provider") with (favorite$1 or bookmarks or "personal page")) and (edit or delete or manag$3 or add or rename or update)) and (url with resource$1)) and (wireless with network)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 09:55
S91	6	("5761436" | "5764916" | "5796952" | "5812769" | "5813007" | "5819039"). PN.	USPAT	OR	ON	2004/03/26 13:41
S92	170	"bookmark server" or (remote with bookmark)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/26 15:22
S93	86	("bookmark server" or (remote with bookmark)) and url	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/26 13:44
S94	86	("bookmark server" or (remote with bookmark)) and (url or "uniform resource locators")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/26 13:44
S95	30	(("bookmark server" or (remote with bookmark)) and (url or "uniform resource locators")) and (updat$3 with bookmark)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 09:54
S96	7	((("bookmark server" or (remote with bookmark)) and (url or "uniform resource locators")) and (updat$3 with bookmark)) and wireless	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/30 09:52
S97	1	"5692143".PN.	USPAT	OR	ON	2004/03/26 13:48

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1   WebStickers: using physical tokens to access, manage and share bookmarks to the Web   ▬
    Peter Ljungstrand, Johan Redström, Lars Erik Holmquist
    April 2000 **Proceedings of DARE 2000 on Designing augmented reality environments**

    Full text available:**🔁** pdf(2.35 MB)   Additional Information: full citation, abstract, references, citings, index terms

    In the *WebStickers* system, where barcode stickers may be attached to physical objects making them act as bookmarks to the worldwide web in a convenient way to the user. Using readily available technology, i.e., standard barcode readers and adhesive stickers, WebStickers enable users to take advantage of their physical environment when organizing and sharing bookmarks. Starting from a user-centered rather than technology-driven point of view, we discuss how the affordances of physical t ...

    Keywords: barcodes, bookmark management, information workspaces, physical tokens, tangible interfaces, world wide Web, world wide web

2   Pen computing: a technology overview and a vision   ▬
    André Meyer
    July 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 3

    Full text available:**🔁** pdf(5.14 MB)   Additional Information: full citation, abstract, citings, index terms

    This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions.Starting with a short historic ...

3   Satchel: providing access to any document, any time, anywhere   ▬
    Mik Lamming, Marge Eldridge, Mike Flynn, Chris Jones, David Pendlebury
    September 2000 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 7 Issue 3

    Full text available:**🔁** pdf(591.29 KB)   Additional Information: full citation, abstract, references, citings, index terms

    Current solutions for providing access to electronic documents while away from the office do not meet the special needs of mobile document workers. We describe "Satchel," a system that is designed specifically to support the distinctive features of mobile document work. Satchel is designed to meet the following five high-level design goals (1) easy access to

document services; (2) timely document access; (3) streamlined user interface; (4) ubiquity; and (5)compliance with securi ...

Keywords: document access, document appliance, document processing, information appliance, mobile computing, mobile work

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4 Mobility & wireless access: Sensor-enhanced mobile web clients: an XForms approach

John Barton, Tim Kindberg, Hui Dai, Nissanka B. Priyantha, Fahd Al-bin-ali
May 2003 **Proceedings of the twelfth international conference on World Wide Web**

Full text available: 📄 pdf(485.90 KB)   Additional Information: full citation, abstract, references, index terms

This paper describes methods for service selection and service access for mobile, sensor-enhanced web clients such as wireless cameras or wireless PDAs with sensor devices attached. The clients announce their data-creating capabilities in "Produce" headers sent to servers; servers respond with forms that match these capabilities. Clients fill in these forms with sensor data as well as text or file data. The resultant system enables clients to access dynamically discovered services spontaneously, ...

Keywords: MIME types, browsers, forms, mobile computing, sensors, ubiquitous computing

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5 Interactive Editing Systems: Part II

Norman Meyrowitz, Andries van Dam
September 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 3

Full text available: 📄 pdf(9.17 MB)   Additional Information: full citation, references, citings, index terms

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6 People, places, things: web presence for the real world

Tim Kindberg, John Barton, Jeff Morgan, Gene Becker, Debbie Caswell, Philippe Debaty, Gita Gopal, Marcos Frid, Venky Krishnan, Howard Morris, John Schettino, Bill Serra, Mirjana Spasojevic
October 2002 **Mobile Networks and Applications**, Volume 7 Issue 5

Full text available: 📄 pdf(248.58 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

The convergence of Web technology, wireless networks, and portable client devices provides new design opportunities for computer/communications systems. In the HP Labs' "Cooltown" project we have been exploring these opportunities through an infrastructure to support "web presence" for people, places and things. We put web servers into things like printers and put information into web servers about things like artwork; we group physically related things into places embodied in web servers. Using ...

Keywords: location-aware computing, nomadic computing, physical-virtual linkage, ubiquitous computing, world wide web

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7 Dealing with mobility: understanding access anytime, anywhere

Mark Perry, Kenton O'hara, Abigail Sellen, Barry Brown, Richard Harper
December 2001 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 8 Issue 4

Full text available: 📄 pdf(217.74 KB)   Additional Information: full citation, abstract, references, citings, index terms

The rapid and accelerating move towards use of mobile technologies has increasingly provided people and organizations with the ability to work away from the office and on the move. The new ways of working afforded by these technologies are often characterized in terms of access to information and people anytime, anywhere. This article presents a study of mobile workers that highlights different facets of *access* to remote people and

information, and different facets of *anytime, anywhere ...*

Keywords: *Awareness, context, dead time, diary study, distributed collaboration, interviews, mobile communication, mobile technology, mobile workers, personal computing*

8 <u>CORBA based design and implementation of universal personal computing</u>
Mária Törö, Thong Tri Huynh, Jinsong Zhu, Kangming Liu, Victor C. M. Leung
February 2003 **Mobile Networks and Applications**, Volume 8 Issue 1

Full text available: pdf(288.45 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Universal personal computing (UPC) supports nomadic computing at user mobility and at terminal mobility levels in a user-friendly way. That is, a user can access computing resources anywhere on the Internet, using any available mobile or stationary terminal attached to any subnet supporting UPC services. These services are provided via agents and enable a personalized computing environment that is familiar to or customized by the user and independent of the terminal and subnet, utilizing locally ...

Keywords: CORBA, agents, internet, personalized computing environment, user mobility

9 <u>Brief announcements: Object auras: a mobile retail and product annotation system</u>
M. A. Smith, D. Davenport, H. Hwa, T. Turner
May 2004 **Proceedings of the 5th ACM conference on Electronic commerce**

Full text available: pdf(254.86 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

In this paper, we describe a system used to link physical objects to online content implemented with commercially available pocket computers using bar code scanners, wireless networks, and web services. We describe sample applications built with the system for objects like books, music, packaged goods, and art works as well as a related web application that facilitates the creation of communities around objects scanned by the handhelds. Finally, we suggest several scenarios for uses of these kin ...

Keywords: annotation, bar codes, community, handheld computers, museum guides, physical interfaces, retail augmentation, tags, tangible interfaces, tour guides, ubiquitous computing, wireless networks

10 <u>Ubiquitous WWW: Implementing physical hyperlinks using ubiquitous identifier resolution</u>
Tim Kindberg
May 2002 **Proceedings of the eleventh international conference on World Wide Web**

Full text available: pdf(400.83 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Identifier resolution is presented as a way to link the physical world with virtual Web resources. In this paradigm, designed to support nomadic users, the user employs a handheld, wirelessly connected, sensor-equipped device to read identifiers associated with physical entities. The identifiers are resolved into virtual resources or actions related to the physical entities - as though the user 'clicked on a physical hyperlink'. We have integrated identifier resolution with the Web so that it ca ...

Keywords: identifier resolution, mobile computing, nomadic computing, physical hyperlinks, ubiquitous computing

11 <u>The information furnace: consolidated home control</u>
Diomidis D. Spinellis
May 2003 **Personal and Ubiquitous Computing**, Volume 7 Issue 1

Full text available: 📄 pdf(488.36 KB)　　Additional Information: <u>full citation</u>, <u>abstract</u>, <u>index terms</u>

The Information Furnace is a basement-installed PC-type device that integrates existing consumer home-control, infotainment, security and communication technologies to transparently provide accessible and value-added services. A modern home contains a large number of sophisticated devices and technologies. Access to these devices is currently provided through a wide variety of disparate interfaces. As a result, end users face a bewildering array of confusing user-interfaces, access modes a ...

Keywords: Automation, Consumer electronics, Home-control, Multi-modal interfaces

12 <u>Articles: Mobile databases: a selection of open issues and research directions</u>

Guy Bernard, Jalel Ben-othman, Luc Bouganim, Gérôme Canals, Sophie Chabridon, Bruno Defude, Jean Ferrié, Stéphane Gançarski, Rachid Guerraoui, Pascal Molli, Philippe Pucheral, Claudia Roncancio, Patricia Serrano-Alvarado, Patrick Valduriez

June 2004 **ACM SIGMOD Record**, Volume 33 Issue 2

Full text available: 📄 pdf(1.46 MB)　　Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>

This paper reports on the main results of a specific action on mobile databases conducted by CNRS in France from October 2001 to December 2002. The objective of this action was to review the state of progress in mobile databases and identify major research directions for the French database community. Rather than provide a survey of all important issues in mobile databases, this paper gives an outline of the directions in which the action participants are now engaged, namely: copy synchronizatio ...

13 <u>Advertising and Security for E-Commerence: Protecting electronic commerce from distributed denial-of-service attacks</u>

José Brustoloni

May 2002 **Proceedings of the eleventh international conference on World Wide Web**

Full text available: 📄 pdf(133.78 KB)　　Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

It is widely recognized that distributed denial-of-service (DDoS) attacks can disrupt electronic commerce and cause large revenue losses. However, effective defenses continue to be mostly unavailable. We describe and evaluate VIPnet, a novel value-added network service for protecting e-commerce and other transaction-based sites from DDoS attacks. In VIPnet, e-merchants pay Internet Service Providers (ISPs) to carry the packets of the e-merchants' best clients (called VIPs) in a privileged class ...

Keywords: denial of service, electronic commerce, quality of service

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1 Papers: ESW4: enhanced scheme for WWW computing in wireless communication environments
Stathes Hadjiefthymiades, Lazaros Merakos
October 1999 **ACM SIGCOMM Computer Communication Review**, Volume 29 Issue 5

Full text available: 📄 pdf(1.18 MB)   Additional Information: full citation, abstract, references, citings

Mobile computing is considered of major importance to the computing industry for the forthcoming years due to the progress in the wireless communications domain. In this paper, we present a proxy-based architecture, called ESW4, which manages to accelerate Web browsing in wireless CPNs. Proxy caches, maintained in base stations, are constantly relocated to accompany the roaming user. We discuss a cache management scheme involving the relocation of full caches to the most candidate cells but also ...

2 Using proxy cache relocation to accelerate Web browsing in wireless/mobile communications
Stathes Hadjiefthymiades, Lazaros Merakos
April 2001 **Proceedings of the tenth international conference on World Wide Web**

Full text available: 📄 pdf(321.90 KB)   Additional Information: full citation, references, index terms

Keywords: W4, cache relocation, learning automaton, mobile computing, path prediction, proxy cache

3 Client-server computing in mobile environments
Jin Jing, Abdelsalam Sumi Helal, Ahmed Elmagarmid
June 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 2

Full text available: 📄 pdf(233.31 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

Recent advances in wireless data networking and portable information appliances have engendered a new paradigm of computing, called mobile computing, in which users carrying portable devices have access to data and information services regardless of their physical location or movement behavior. In the meantime, research addressing information access in mobile environments has proliferated. In this survey, we provide a concrete framework and categorization of the various way ...

Keywords: application adaptation, cache invalidation, caching, client/server, data dissemination, disconnected operation, mobile applications, mobile client/server, mobile compuing, mobile data, mobility awareness, survey, system application

4 <u>On proxy agents, mobility, and web access</u>

Anupam Joshi

December 2000 **Mobile Networks and Applications**, Volume 5 Issue 4

Full text available: <u>pdf(201.52 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

With the emerging need for ubiquitous access to information, web access from mobile clients is gaining increasing importance. Unfortunately, the underlying protocols of the web are not designed to support operations from a resource poor platform in a low bandwidth, disconnection prone environment. Efforts to create systems to support mobile browsing have typically been proxy‐based. However, such solutions have recently been criticized due to their non‐scalability. Developments in ad ...

5 <u>The transport layer: tutorial and survey</u>

Sami Iren, Paul D. Amer, Phillip T. Conrad

December 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 4

Full text available: <u>pdf(261.78 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Transport layer protocols provide for end-to-end communication between two or more hosts. This paper presents a tutorial on transport layer concepts and terminology, and a survey of transport layer services and protocols. The transport layer protocol TCP is used as a reference point, and compared and contrasted with nineteen other protocols designed over the past two decades. The service and protocol features of twelve of the most important protocols are summarized in both text and tables.< ...

Keywords: TCP/IP networks, congestion control, flow control, transport protocol, transport service

6 <u>Mobile wireless networks: Mobile dynamic content distribution networks</u>

Wagner M. Aioffi, Geraldo R. Mateus, Jussara M. Almeida, Daniel S. Mendes

October 2004 **Proceedings of the 7th ACM international symposium on Modeling, analysis and simulation of wireless and mobile systems**

Full text available: <u>pdf(234.66 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Mobile networks are becoming increasingly popular as means for distributing inform tion to large number of users. In comparison to wired networks, mobile networks distinguished by potentially much higher variability in demand due to user mobility. Most previous content techniques ssume static client demand distribution and, thus, may not perform well in mobile networks.This paper proposes and analyzes Mobile Dynamic Content Distribution Network model, which takes demand variations into account t ...

Keywords: CDN, demand forecasting, dynamic content placement, mobile network, online algorithm, simulation

7 <u>Full papers: Performance evaluation and comparison of Westwood+, New Reno, and Vegas TCP congestion control</u>

Luigi A. Grieco, Saverio Mascolo

April 2004 **ACM SIGCOMM Computer Communication Review**, Volume 34 Issue 2

Full text available: <u>pdf(788.17 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>

TCP congestion control has been designed to ensure Internet stability along with fair and efficient allocation of the network bandwidth. During the last decade, many congestion control algorithms have been proposed to improve the classic Tahoe/Reno TCP congestion control. This paper aims at evaluating and comparing three control algorithms, which are Westwood+, New Reno and Vegas TCP, using both Ns-2 simulations and live Internet

measurements. Simulation scenarios are carefully designed in order ...

8 Mobile applications: Metadata creation system for mobile images
Risto Sarvas, Erick Herrarte, Anita Wilhelm, Marc Davis
June 2004 **Proceedings of the 2nd international conference on Mobile systems,
       applications, and services**
Full text available: pdf(564.05 KB)   Additional Information: full citation, abstract, references, index terms

The amount of personal digital media is increasing, and managing it has become a pressing
problem. Effective management of media content is not possible without content-related
metadata. In this paper we describe a content metadata creation process for images taken
with a mobile phone. The design goals were to automate the creation of image content
metadata by leveraging automatically available contextual metadata on the mobile phone,
to use similarity processing algorithms for reusing shared me ...

Keywords: automated content metadata, content-based image retrieval, digital image
management, mobile camera phones, wireless multimedia applications

9 Data dissemination in VANET environment: PAVAN: a policy framework for content
availabilty in vehicular ad-hoc networks
Shahram Ghandeharizade, Shyam Kapadia, Bhaskar Krishnamachari
October 2004 **Proceedings of the first ACM workshop on Vehicular ad hoc networks**
Full text available: pdf(448.51 KB)   Additional Information: full citation, abstract, references, index terms

Advances in wireless communication, storage and processing are realizing next-generation
in-vehicle entertainment systems. Even if hundreds of different video or audio titles are
stored among several vehicles in an area, only a subset of these titles might be available to
a given vehicle depending on its current location, intended path, and the dynamics of its ad-
hoc network connectivity. The vehicle's entertainment system must somehow predictively
determine which titles are *available* eit ...

Keywords: C2P2, PAVAN, VANETs, content availability, evaluation, utility models

10 Web site analysis and customization: Web customization using behavior-based remote
executing agents
Eugene Hung, Joseph Pasquale
May 2004 **Proceedings of the 13th international conference on World Wide Web**
Full text available: pdf(128.60 KB)   Additional Information: full citation, abstract, references, index terms

ReAgents are remotely executing agents that customize Web browsing for non-standard
clients. A reAgent is essentially a one-shot" mobile agent that acts as an extension of a
client dynamically launched by the client to run on its behalf at a remote more
advantageous location. ReAgents simplify the use of mobile agent technology by
transparently handling data migration and run-time network communications and provide a
general interface for programmers to more easily implement their application-sp ...

Keywords: dynamic deployment, remote agents, web customization

11 Dynamic handoff of multimedia streams
Roger Karrer, Thomas Gross
January 2001 **Proceedings of the 11th international workshop on Network and
       operating systems support for digital audio and video**
Full text available: pdf(301.54 KB)   Additional Information: full citation, abstract, references, citings, index
terms

Sometimes a client that receives a multimedia stream from a server can change the
connection used to transfer the data. There may be multiple paths or multiple servers, but a

switch from one connection to another requires a handoff. During such a handoff, the player (of the video and/or audio stream) should be fed with a constant data stream so that they player does not have to stop. Handoffs can be used in addition to adaptive (frame-dropping) filters to improve the quality of multimed ...

12 Towards a secure platform for distributed mobile object computing

Marc Lacoste

April 2000 **ACM SIGOPS Operating Systems Review**, Volume 34 Issue 2

Full text available: pdf(1.42 MB)   Additional Information: full citation, abstract, index terms

We present some issues relevant to the design of a secure platform for distributed mobile computing, that goes beyond existing ad-hoc approaches to software mobility. This platform aims to support wide-area computing applications such as active network infrastructures or network supervision tools. Our contribution is two-fold: the first part of the paper is a survey of the security features of a few languages and virtual machines as regards authentication, access control, and communications secu ...

13 Coordination models, languages and applications: An infrastructure language for open nets

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The structure of open nets, like the Internet, is highly dynamic, as the topology of component networks continuously evolves. In this context, *node connectivity* is a key aspect and a language for distributed network-aware mobile applications should provide explicit mechanisms to handle it. In this paper, we address the problem of expressing dynamic changes of node connectivity at linguistic level and, in particular, we focus on a slight extension of the language KLAIM, that is ta ...

Keywords: coordination languages, distributed applications, mobility, open nets

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